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INTERNATIONAL SEARCH REPORT

International application No.

			PCT/US04/04676	
A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7) : H01L 23/495, 21/48				
US CL : 257/666, 676, 684, 690, 693, 713, 778, 723, 698 ; 438/106, 123, 51, 54, 108, 113				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
U.S. : 25	57/666, 676, 684, 690, 693, 713, 778, 723, 698 ; 438/	/106, 123, 51, 54, 108	3) 113	
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Documentation	on searched other than minimum documentation to the	extent that such docum	ents are included in	the fields searched
Electronic da	ta base consulted during the international search (name	of data base and, whe	ere practicable, sear	ch terms used)
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C. DOCUMENTS CONTROLLED				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a	propriate, of the relev	ant passages	Relevant to claim No.
X	US 6,713,317 B2 (Knapp et al.) 30 March 2004 (30.03.2004), Figures 4-6, column 2, line 1-33			1-33
	19 - column 6, line 64			
Y	US 6,424,034 B1 (Ahn et al.) 23 July 2002 (23.07.2002), Figure 2, column 5, lines 1-59 1, 4, 7, 13, 17, 23, 24			
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Posthor	documents are lived by a state of the			
	documents are listed in the continuation of Box C.	See patent i	family annex.	
* S	pecial categories of cited documents:	"T" later documen	at published after the inte	mational filing date or priority
"A" document	defining the general state of the art which is not considered to be	date and not i	in conflict with the applic	ation but cited to understand the
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"E" earlier ap	nlication or natural multiplied on an effect of the state	"X" document of p	particular relevance; the	claimed invention cannot be
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establish (specified)	the publication date of another citation or other special reason (as	"Y" document of	particular relevance; the	claimed invention cannot be
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"O" document referring to an oral disclosure, use, exhibition or other means		being obvious to a person skilled in the art		
"P" document published prior to the international filing date but later than the				
priority date claimed prior to the international filing date but later than the "&" document member				family
Date of the a	ctual completion of the international search	Data of mailing a co	- !	
		Date of mailing of the international search report		
15 July 2004 (15.07.2004)		29 November 2004 (29.11.2004)		
Name and ma	ailing address of the ISA/US	Authorized officer		
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